

Roll No.

Y – 466/ Y – 467

B.Sc. (Third Year)

EXAMINATION, March/April 2021

BIO-CHEMISTRY

Paper – I, II

**MOLECULAR BIOLOGY/NUTRITION CLINICAL &
ENVIRONMENTAL BIOCHEMISTRY**

Time : Three Hours

Maximum Marks : 40 + 40 = 80 (For Regular Students)

Minimum Pass Marks : 33%

Maximum Marks : 50 + 50 = 100 (For Private Students)

Minimum Pass Marks : 33%

Note—Attempt *all* questions.

(Section-A)

1. Explain salient features of prokaryotic genome. 13/16
2. Write about various enzymes involved in DNA replication. 13/17
3. Describe initiation in prokaryotes. 14/17

(Section-B)

4. What are energy giving and body building foods ? How energy is obtained from carbohydrates, fats and proteins ? 13/16
5. Define basal metabolic rate. How it can be measured ? Enlist the factors effecting BMR. 13/17
6. What is the importance of quality control in clinical analysis ? Whether manual or automated analysis given accurate results ? Compare manual vs. automation in clinical laboratory ? 14/17

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